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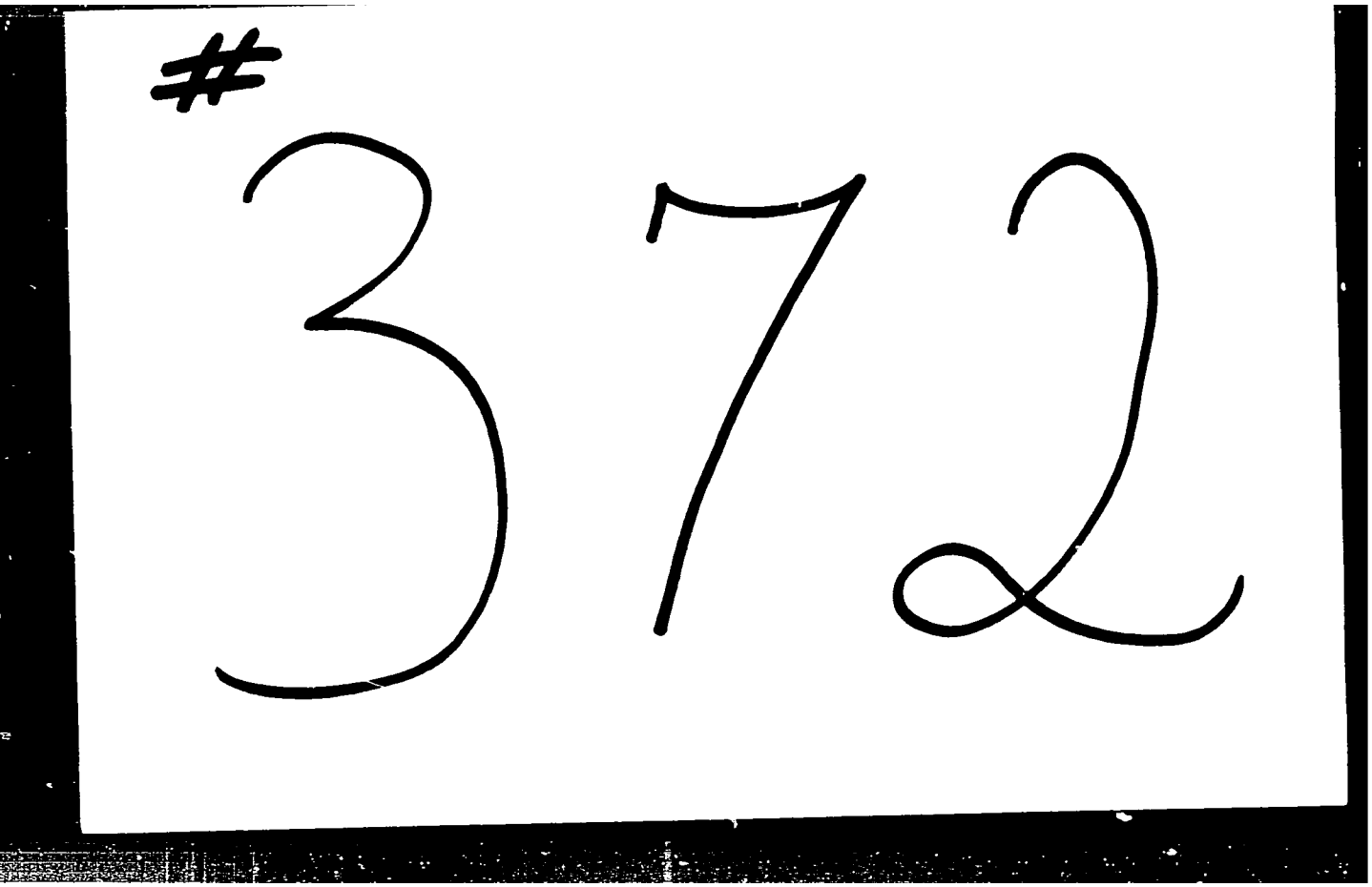

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MILLER, D.

[illegible]

Economic remarks on [illegible]. (Zememerictvi. Praha. Vol. 4, no. 4, Apr. 1954)

East

[illegible]

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

SINTAK, J., inz.; MULLER, B., inz.

Experience of the county water resources management agency with investors. Vodni hosp 12 no.11:469-471 N '62.

1. Okresni vodohospodarska sprava, Chomutov.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, B.

Conference on supplying the Chomutov area with drinking water.
Vodni hosp 13 no.7:257 '63.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MARSALEK, J.; MULLER, C.; KUBAT, M.

Studies on the health status of the population of a small agricultural colony in a region with increased radioactivity. Neoplasma 9 no.6: 593-596 '62.

1. Factory Institute of National Health and Institute of Work Hygiene and Occupational Disease Prevention, Vejprty, CSSR.
(AIR POLLUTION RADIOACTIVE) (VITAL STATISTICS)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER,C.; RUZICKA, I.

Regional differences in mortality caused by malignant tumours.
Neoplasm (Bratisl.) 12 no.1:101-108 '65

1. Department of Social Hygiene, Medical School Hygiene,
Charles University, Prague, Czechoslovakia.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

ENGLER,V.; MULLER,C.

Traumatism in the Czechoslovakian SSR during the period 1952-1962. Bratisl. lek. listy 44 no.10:577-597 30 N '64

1. Kafedra zdravotnictvi lekarske fakulty hygienicke University Karlovy v Praze (vedouci prof. MUDr. F. Blaha).

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

RUZICKA, L.; MULLER, C.

Demographic survey of aging in women in Czechoslovakia.
Cesk. gynek. 30 no.6:437-441 Ag '65.

1. Katedra zdravotnictvi lek. fak. hyg. Karlovy University v Praze (vedouci prof. dr. F. Blaha).

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

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L 14545-65 EWG(j)/EWT(m)/EPF(c)/EPR/EMP(j)/EWA(h)/EWA(1) Pc-4/Pr-4/Ps-4/Peb
ASD(a)-5/SSD/AFWL/ESD(t) WW/RM
ACCESSION NR: AP4044500 S/0025/64/000/004/0249/0254

B

AUTHOR: Muller, D.

TITLE: Properties of a universal sensitive proportional counter for x-ray fluorescence analysis

SOURCE: Kernenergie, no. 4, 1964, 249-254

TOPIC TAGS: proportional counter, x ray fluorescence analysis, fluorescence analysis, radiation counter, radiation counter design

ABSTRACT: The radiation counter described is simple in design, durable, and easy to maintain (see Figs. 1 and 2). It is primarily intended as a component of a laboratory device for fluorescence analysis of reasonable cost, containing a lead-screened Tm 170 radiation source of about 120 c and a carrier for the substance under investigation, a preamplifier and a main amplifier, and high-voltage devices. An argon-methane mixture of 9:1 is used as the gas source. A thin low-absorption wall of special paper lacquered with "Plastosol 3070" obviates the need for a radiation window. The 50 μm thick wire made of Cr-Ni alloy is suspended by a spring on both plexiglas end plates. One end plate is displaced by a shaft, and

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L 14545-65
ACCESSION NR: AP4044590

the other is equipped with a jack where the wire is connected to the preamplifier for voltage feed and pulse transmission. Both end plates have boreholes for the output or inlet of the gas. At a working voltage of 2000 v and energy range of 5-30 kev, the counter has exact linearity of energy. The tests show that 1) the resolving power is highly dependent on the voltage, 2) the halfwidth K radiation line of cadmium is 14.8%, 3) in the separation of K radiation of Zn-Mn, Cu-Mn, Ni-Mn, Co-Mn, and Fe-Mn the elements follow the sequence of their atomic number, and 4) the counter efficiency decreases with decreasing energy. It is suggested that the counter efficiency can be enhanced by using a scintillation measuring head. "The author thanks Dr. G. Brunner, Lecturer, for his valuable information." Orig. art. has: 11 figures.

ASSOCIATION: Institut fur angewandte Radioaktivitat, Leipzig (Institute of Applied Radioactivity)

SUBMITTED: 30Oct63 ENCL: 02 SUB CODE: CB, OP

NO REF SOV: 000 OTHER: 001

Card 2/4

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ACCESSION NR: AP4044500

ENCLOSURE: 01

Fig. 1. Cross section of the counter

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ACCESSION NR: AP4044500

ENCLOSURE: 02

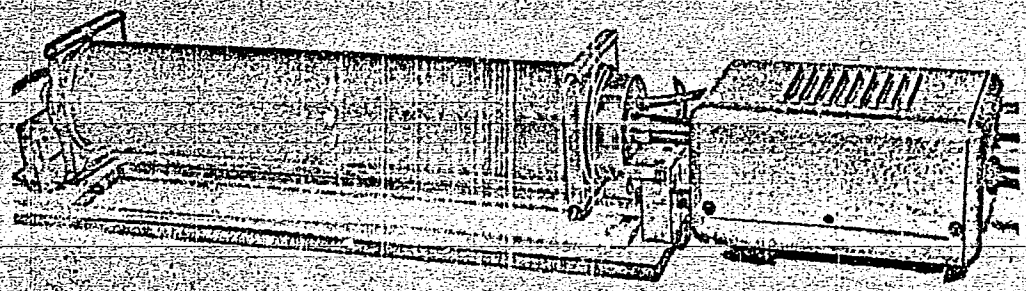

Fig. 2. General view of the counter

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DERGANC, Mirko; MULLER, Dusan

The study of cardiac resuscitation in humans; 16 consecutive resuscitations of the heart. Zdrav. vest., Ljubljana 24 no. 9-10:344-346 1955.

1. Kirurgicna Klinika Medicinske Fakultete v Ljubljani - predstojnik Akademik prof. dr. Bozidar Lavric.
(CARDIAC ARREST, ther.
resuscitation, 16 consecutive resuscitations in 4 hours & 15 minutes (Sl))

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, E.

POPEK, K.; DLUHOS, M.; MULLER, E.; KUCERA, K.; BAKALA, F.

Temporal arteritis. Lek.listy 5 no.9:241-246 1 My '50.(CLML 19:2)

1. Of the Clinic for Nervous Diseases (Head -- Prof. Karel Popek, M.D.) and of the Patho-Anatomical Institute (Head -- Prof. Vaclav Neuman, M.D.), Masaryk University, Brno, of the Neurological Department and Central Laboratory and Prosection Department (Head -- Head Physician, Docent Kamil Kucera, M.D.), Regional Hospital in Gottwald.

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, E. - Vol. 14, no. 5, May 1953. SLABOPROUDY OBZOR

Patents developed in the nationalized radio industry. p. 223.

SO: Monthly list of East European Accessions, (EEAL), LC, Vol. 4, No. 9, Sept. 1955 Uncl.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, E.

Protection and utilization of inventions in the Czechoslovak national economy.

p. 185
Vol. 5, no. 4, 1955
ZA SOCIALISTICKOU VEDU A TECHNKU
Praha, Czechoslovakia

Source: Monthly List of East European Accesions, (EEAL), LC, Vol. 5, no. 2 February 1956, Uncl.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

L 61655-65 EWT(1)/EPA(s)-2/EPF(n)-2/T-2/ETC(m) WW

ACCESSION NR: AT5009461 Z/0000/64/000/000/0204/0206

AUTHOR: Muller, E. 44,55

TITLE: Studies on cryopumps at 78° and 28° K

SOURCE: Conference on Low Temperature Physics and Techniques. 3d, Prague, 1963. Physics and techniques of low temperatures; proceedings of the conference. Prague, Publ. House of the Czechosl. Academy of Sciences, 1964, 204-206

TOPIC TAGS: cryogenic pump, adsorption pump, high vacuum pump

ABSTRACT: In view of the increasing use of condensation pumps at low temperatures, and in view of some of their advantages (for example, no contamination of the vacuum chamber by the pumping agent and relatively easy operation), the author has made some studies concerning their general properties. The main purpose of the research was to determine whether the geometric arrangement has an important effect on the final pressure. The apparatus was constructed of glass with an external finger-shaped cooling element. The volume of the vacuum chamber was about one liter. The experiments were carried out with liquid neon or liquid hydrogen used for the cooling, and with different cooling-finger diameters. In the case of external cooling, useful results were obtained with liquid neon even when the diameter of the cooled element was small. In spite of unfavorable conditions, the resultant pressure ob-

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ACCESSION NR: AT5009461 3

tained was 2--3 x 10^{-8} mm Hg, which is close to the theoretical 10^{-8} mm Hg. A final pressure of 2 x 10^{-8} mm Hg was obtained with liquid hydrogen, but with the internal diameter of the cooled element increased to 32 mm. Studies were also made with adsorption pumps at 78K. The adsorbents were M35A, silica gel A, and super gel. In all cases, a final pressure of 2 x 10^{-7} mm Hg was attained, and could be kept up for days by monitoring the level of the liquid nitrogen. The adsorption pump reached the final pressure after a longer time (50--100 minutes) than the condensation pump (5 minutes). The experiments with the adsorption pump also indicate that the geometry and volume may influence the resultant pressure and that this influence may be caused partially by the outgassing of the walls. Orig. art. has: 2 figures.

ASSOCIATION: Laboratory of Low Temperature Physics, German Academy of Sciences, Dresden

SUBMITTED: 00 ENCL: 00 SUB CODE: TD,GP

NR REF SOV: 001 OTHER: 001

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, Evzen, inz.

Automation of mining machines with direct-current drive in the Ward-Leonard connection. Rudy 11 no.8:271-273 Ag '63.

1. Vyzkumne stredisko, Ustredni sprava vyzkumu a tezby radioaktivnich surovin, Pribram.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, F.

"The Fundamental Biogenetic Law" by Muller, F. (Moscow, 1940), Haeckel, E. (Moscow, 1940), and Reviewed by Schmidt, G. A.

SO: Advances in Contemporary Biology (Uspekhi Sovremennoi Biologii) Vol. 17, 1944, No. 1

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, F.

Let us remember before spring the importance and tasks of agrometeorological stations at the machine-tractor stations. p. 155. (Mechanisace Zemedelstvi, Vol. 7, No. 7, Apr. 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 3, Aug 1957. Uncl.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, F.

Agricultural laboratories of machine-tractor stations contribute to the increase in our soil fertility. p. 369. (MECHANISACE ZEMEDELSTVI, Vol. 7, No. 16, Aug 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 12, Dec 1957. Uncl.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, F.

Utilization of results achieved in soil analysis by the agronomic laboratory on the collective farms. p. 27.

Praha. MECHANISACE ZEMEDELSTVI. V ol. 9, no. 12, Dec. 1959.
Praha, Czechoslovakia

Monthly list of East European Accession (EEAI) LC Vol. 9, no. 2
Feb. 1960. Uncl.

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, Ferenc, dr.

Improvement of iontotherapy by simultaneous treatment of group of patients. Orv. hetil. 96 no.40:1117-1118 2 Oct 55.

1. A Hodmezovasarhelyi Varosi Tanacs Korhaza Rendelointezetenek Fizikotherapias szakrondelesenek koslemenye.

(ION TRANSFER, therapeutic use
iontotherapy, improved simultaneous for group of patients, technic)

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, Frantisek, MUDr.

Chemotherapy of prostate carcinoma. Rozhl. chir. 35 no.1:53-57 Feb 56.

1. Urologicka klinika v Brne. Prednosta prof. MUDr. Karel Neuwirt.
(PROSTATE, neoplasms
ther., phosphoryl stilbenes (Cz))
(STILBENES, ther. use
phosphoryl stilbenes in prostate cancer (Cz))

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

HUNGARY/Chemical Technology. Chemical Products and Their Application. Cellulose and Derivatives. Paper.

Abs Jour: Ref Zhur-Khim., No 13, 1958, 45315.

Author : Muller F. M
Inst :
Title : The Influence of the Variety of Straw on the Quality of the Cellulose Obtained Therefrom.

Orig Pub: Papiripar, 1957, 1, No 1-2, 6-12.

Abstract: Six samples of rye straw (I), 5 of wheat straw (II) and 4 of oat straw (III) were treated with 13% solution of NaOH (at a straw to alkali ration of 1:4) at 130° for 3 hours. The content of coarse particles (CP) in the cellulose (C) was determined by means of a Wennberg grader with an 0.3 ml slot and varied from 10.7-1 4% The lignin content and the chlorine value

59

: 1/3

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H

HUNGARY/Chemical Technology. Chemical Products and Their Application. Cellulose and Derivatives. Paper.

Abs Jour: Ref Zhur-Khim., No 13, 1958 45315.

(CV) were in good agreement with CP; a less consistent correlation was found between CP and yield of fine pulp. As concerns total yield, permanganate value, and pH of black liquor, no apparent correlation with CP could be established. Apparently the most reliable criterion of the degree of decomposition is provided by CV. Variations in CP content of C are very slight in C from I and very extensive in C from III. Correlation between CP and dehydration (D) is not well defined, although some regularities as concerns duration of D are detectable. Mean values of D for C from I are the best; indices of strength are higher for C from I and III, than for C from II. Differ-

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, G.; WINKLER, H.

Contr bution to the effect of lower fungi on the growth and mineral substance content of higher plants. Rost vyroba 9 no. 7/8: 706-710 Jl-Ag '63.

1. Ustav pudoznalstvi a mikrobiologie University Karla Marxe, Lipsko.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

BANARESCU, Petru; PAPADOPOL, Mihail; MULLER, Geza

The Vimba genus (Pisces, Cyprinidae) in the Danube Basin.
Trav Muz Nat 4:381-400 '63.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, G.

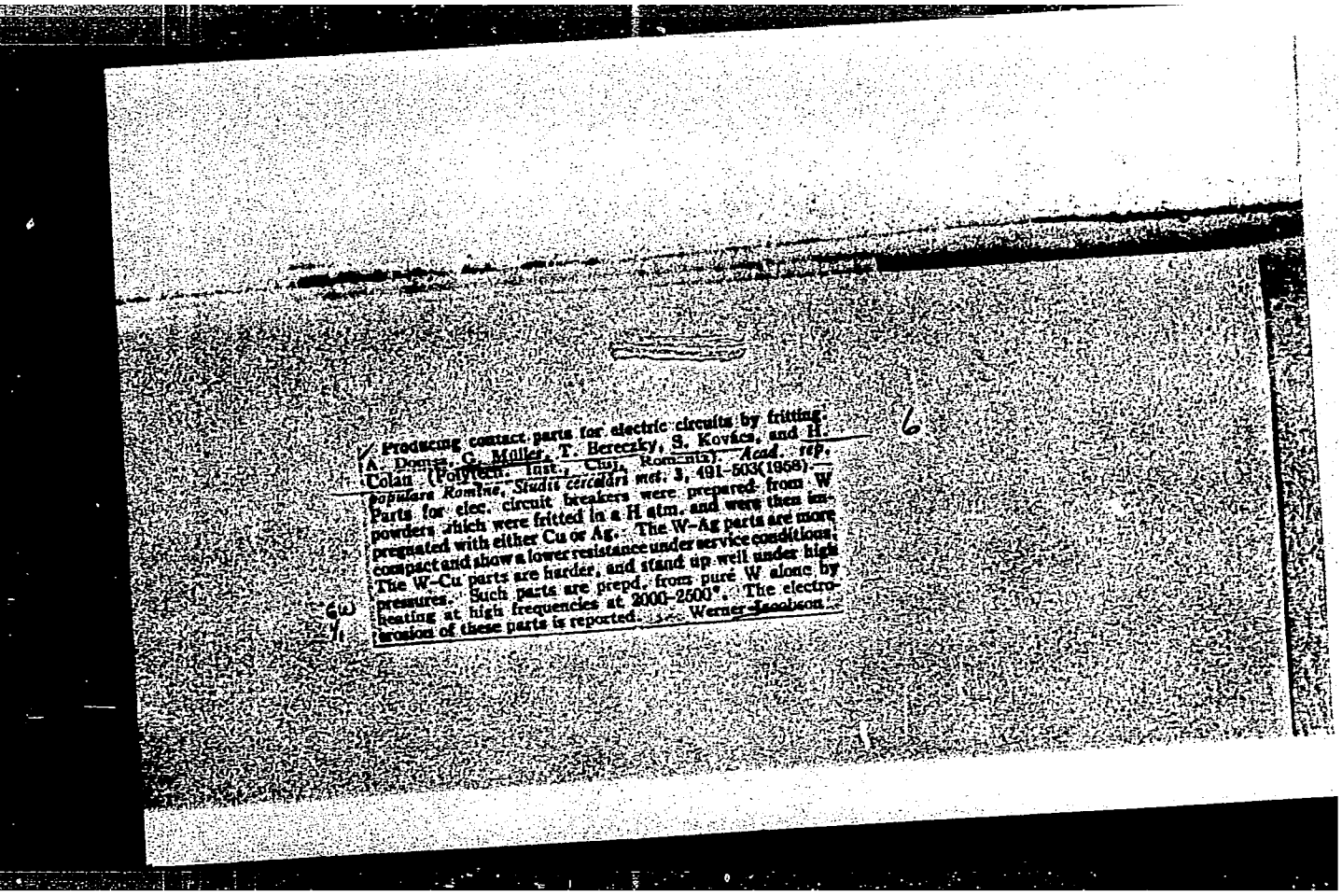
Recent trends in the manufacture of circuit-breaker equipment for medium voltage in this country. p. 1171.

(TEHNIKA. Vol. 12, No. 7, 1957, Beograd, Yugoslavia)

SO: Monthly List of East European Accessions (EEAL) Lc. Vol. 6, No. 10, October 1957. Uncl.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3



Producing contact parts for electric circuits by fritting. A. Domşa, C. Müller, T. Bereczky, S. Kovács, and H. Colan (Polytech. Inst., Cluj, Romania). *Acad. rep. populare Romîne, Studii cercetări met.* 3, 491–503(1958).—Parts for elec. circuit breakers were prepared from W powders which were fritted in a H atm. and were then impregnated with either Cu or Ag. The W–Ag parts are more compact and show a lower resistance under service conditions; the W–Cu parts are harder, and stand up well under high pressures. Such parts are prepd. from pure W alone by heating at high frequencies at 2000–2500°. The electroerosion of these parts is reported. — Werner Jacobson

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PAGE 1 BOOK EXPLOITATION SOV/5788

Glaz, Transylvania. Institutul Politehnic

Lucrari stiintifice (Scientific Works) Cluj, Interprinderea Poligrafica, 1959. 657 p. Errata slip inserted. No. of copies printed not given. No contributors mentioned.

PURPOSE: This book is intended for mathematicians, physicists, chemists, and civil and mechanical engineers.

COVERAGE: The book consists of 59 papers by Rumanian specialists on problems in science and technology, particularly mathematics, physics, chemistry, metallurgy, civil and mechanical engineering. Rumanian is used in the articles. French or German are given at the end of each article. Some of the articles are accompanied by references. No personalities are mentioned. At the back of the book there are 23 references, all Russian.

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

DOMSA, A.; KOVACS, S.; COLAN, H.; BERECZKI, T.; MULLER, G.

Influence of the composition and manufacturing conditions on the characteristics of the contact pieces sinterized from metallic powders. Studii cerc metalurgie 6 no.4:413-423 '61.

1. Institutul politehnic Cluj, Laboratorul de metalurgie pulberilor.

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

S/226/62/000/003/014/014
I003/I203

AUTHOR: Domsha, A., Kovans, S., Muller, G., Bereczky, T. and Colan, H.

TITLE: Investigation of the manufacturing processes of sintered materials for electric contacts

PERIODICAL: Poroshkovaya metallurgiya, no. 3, 1962, 99–109

TEXT: Production of electric contacts having a high wear resistance is described using various metal powders, together with their hardness, density, microstructure and resistance to electric erosion. The best densities and wear resistance under operating conditions were those of tungsten-silver compositions. The authors urge the production of contacts for normal operating conditions on a pilot plant scale. The method of sintering employing high frequency electric current heating is a good means for the production of contacts from pure tungsten. The results obtained are good. It is recommended that the electric erosion of contacts should be tested, to compare the quality of materials produced in Rumania with imported materials, and to indicate the optimum properties. There are 6 figures and 4 tables.

ASSOCIATION: Klyzhskii politekhnicheskii institut, RNR (The Cluj Polytechnical Institute, RPR)

SUBMITTED: July 15, 1961

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, G. I.

Fields of Potamogeton and its role in the formation of fish associations in various types of fresh water. Studii cerc biol anim 12 no.3:303-312 '61.

1. Comunicare presentata de Th. Busnita, membru corespondent al Academiei R.P.R.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

GOMOIU, M.T.; MÜLLER, G.I.

The benthic association dominated by Barnea candida in the Black Sea. Rev biol 7 no.2:255-271 '62.

1. "Traian Savulescu" Institut of Biology, Laboratory of Oceanology.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MÜLLER, G.I.

Nemerteans of the Rumanian Littoral of the Black Sea. Studii cerc biol anim 14 no.13:371-384 '62.

1. Comunicare prezentata de Th. Busnita, membru corespondent al Academiei R.P.R.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, G.I.

Contributions to the study on the dynamics of the amphipods Bathyporeia guilliamsoniana (Bate) and Parioculodes longimanus (Bate et Westwood) in the biocoenosis of sand with Aloidis maeotica Mil. in the Rumanian sector of the Black Sea. Studii cerc biol s. zool 16 no. 3:249-256 '64.

1. "Traian Savulescu" Institute of Biology, Laboratory of Oceanology, Constanta.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, G.I.; SCRIPCARU, D.

Description of the Pontolineus arenarius nov. gen., nov. sp. (Heteronemertini, Lineidae) and the diagnosis of the Antarctolineus nov. gen. genus. Studii cerc biol s zool 16 no.5:391-397 '64.

1."Traian Savulescu" Institute of Biology, Laboratory of Oceanology, Constanta.

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L 29661-65 EWT(l)/EWT(m)/T/EWP(t)/EWP(b) IJP(c) JD

ACCESSION NR: AP5001296 P/0045/64/026/03-/0737/0744

AUTHOR: Muller, G. O.; Weber, H.

TITLE: Effect of electric fields on the cathodoluminescence of CdS single crystals

SOURCE: Acta physica polonica, v. 26, no. 3-4, 1964, 737-744

TOPIC TAGS: cathodoluminescence, electric field enhanced luminescence, cadmium sulfide single crystal, metal contact, electrode, electron beam, electric field effect, luminescence, field polarity, quenching, barrier layer, field influenced recombination

ABSTRACT: The cathodoluminescence of pure undoped CdS single crystals with metal contacts in a sandwich arrangement under the influence of weak d-c fields with electron beams of 5--25 kev impinging on one electrode were studied in order to determine the effect of the electric fields and the relationship between d-c field effects, electrical behavior, and type of contact on the irradiated surfaces. One electrode in the measuring apparatus always consisted of indium and was always ohmic, while the irradiated electrodes were of Al, Au, Ti, Cr, or Te. It has been found that all crystals with measurable field effect have a short-circuit current

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ACCESSION NR: AP5001296

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during bombardment with electrons, while crystals without a short-circuit current do not display any measurable field effect at applied voltages of up to 30 v. Field-enhanced luminescence and quenching dependent only on the polarity of the field are observed for the same crystal with the same cathode excitation. Field factors showing the magnitude and type of effect the electric field has on cathodoluminescence (determined as the ratio of intensity with field to intensity without field) in the 0.2 - 4 range for average fields below 10^4 v/cm are common. The relationships between the field factors and applied voltages differ with the spectral emission bands. An interpretation of the measurements is suggested by the qualitatively different behavior of the crystals assuming a field-influenced recombination in the barrier layer. "The authors thank Dr. F. Eckart and Dr. E. Schmurer for their many valuable discussions, and Dr. L. Hildisch for preparing the crystals." Orig. art. has: 5 figures.

ASSOCIATION: Institute of Technical Physics, German Academy of Sciences, Berlin, German Democratic Republic

SUBMITTED: 00 ENCL: 00 SUB CODE: SS, OP

NO REF SOV: 000 OTHER: 006

Card 2/2

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

L 29456-66 IJP(c) JT

ACC NR: AP5028059 SOURCE CODE: GE/0030/65/012/001/0071/0080

AUTHOR: Egorov, W. D., ~~Lomonosov University, Moscow (Lomonosov-Universitat Moskau)~~; Müller, G.O.; Weber, H.

ORG: ~~The~~ Physical-Technical Institute, German Academy of Sciences, Berlin Division of Crystal Electronics (Physikalisch -Technisches Institut der Deutschen Akademie der Wissenschaften, Abteilung Kristallelektronik); Lomonosov University, Moscow (Lomonossov-Universitat) (Egorov)

TITLE: Cathodoluminescence of CdS under the effect of strong cathode ray excitation

SOURCE: Physica status solidi, v. 12, no.1, 1965, 71-80

TOPIC TAGS: crystal, crystal impurity, cathode ray, electron beam, current density, emission spectrum, ELECTRON ENERGY, CATHODOLUMINESCENCE

ABSTRACT: The purpose of the experiments described here was to verify the occurrence of certain effects on Frerichs-crystals with natural faces at electron energies under 10 keV. High purity was to be expected from the crystals grown by a modified Frerichs method through the reaction between Cd vapor and H_2S, and low energy electron bombardment of constant beam current density gave high excitation density

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because the depth of penetration increases quite linearly with the electron energy. An attempt was made to repeat Basov's experiments to stimulate emission from CdS crystals at 90° K by cathode ray bombardment. No stimulated emission was observed. The intensity of blue emission increases with the electron energy and saturation of the green emission occurs in the 21. to 8.5ke V electron energy range, but at different energies for each crystal. The blue emission prevails at high excitation densities for all electron energies, but the structure of the green emission band remains essentially constant. The experimental results suggest a relation between the green emission and the surface properties of the crystals. "We thank the Ministry of University Affairs of the USSR (Ministerium fur Hochschulwesen der UdSSR) and the Ministry of National Education of the GDR (Ministerium fur Wolksbildung der DDR) for making it possible for one of us, through a six month leave of absence, to participate in this study at PT (The Physical Technical Institute). Orig. art. has: 8 figures.

SUB CODE: 20/ SUMB DATE: 29Jul65 [redacted] SOV REF: 003/ OTH REF: 010

Card 2/2

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, GY.

Modern alkaline radio batteries, p. 131, RADIOTECHNIKA, (Magyar Onkentes Hovedelmi Szovetseg) Budapest, Vol. 5, No. 6, June 1955

SOURCE: East European Accessions List (EEAL) Library of Congress, Vol. 5, No. 12, December 1956

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

BELYAKOV, G.G.; MULLER, O.Z.

Practice in the construction of the enclosure of high-temperature drying chambers. Der.prom. 11 no.6:25-26 Je '62. (MIRA 15:6)
(Riga--Woodworking industries--Design and construction)
(Wood--Drying)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, Harald, Dr.

Otogenic cerebellar abscess with postoperative liquorrhea. Ful orr gegegyogy no.4:182-183 Dec 57.

1. A Csongrad Megyei Tanacs Korhasa Ful-orr-gegeosztalyanak (foorvos: Muller Harald dr.) kozlemenye.

(CEREBELLUM, abscess
postop. CSF liquorrhea, case report (Hun))
(CEREBROSPINAL FLUID
liquorrhea, postop. in cerebellar abscess, case report (Hun))

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MISIEWICZ, Janina i wspolpracownicy: BATYCKI, W.; BURACZEWSKI, O.; GACKOWSKI, J.; GURTAT, B.; KOBIERSKA, H.; KOZAKOW, H.; KRZYSZKOWSKA, A.; KURYLOWICZ, W.; KUZNIECOW, A.; MULLER, H.; RAFINSKI, T.; ROMANOWSKA, I.; SITEK, K.; STOPNICKA, M.; SZCZEPANSKI, W.; SZUSTROWA, J.; WIERZBOWSKA, M.; WIKTOROWICZ, J.

Early results of vaccination against tuberculosis with vaccines prepared from four different BCG strains. I. Gruzlica 25 no.3:243-250 Mar 57.

1. Z Instytutu Gruzlicy w Warszawie Dyrektor: prof. dr J. Misiewicz.
Adres: Warszawa, ul Plocka 26.
(BCG VACCINATION, statist.
comparison of 4 strains (Pol))

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, Harald

Early tonsillectomy after peritonsillar abscess. Orv. hetil. 98 no.50-51:1407-1408 15-22 Dec 57.

1. A Csongradmegyei Tanacs Korhaza (igazgato: Szekely Alfred dr.) Ful-orr-gege osztalyanak (foorvos: Müller Harald dr.) kozlemenye.
(TONSILS, abscess
peritonsillar, early tonsillectomy (Hun))

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, Harald, Dr.

Stylalgia. Ful orr gegegyogy. 4 no.1:33-35 Mar 58.

1. A Csongradmegyei Tanacs Korhaza Ful-orr-gegeosztalyanak (Foorvos: Muller Harald dr.) kozlemenye.

(PHARYNX, dis.
stylalgia, case reports (Hun))
(NECK, musc. & tendons
same)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, Harald, dr.

Late otologic complication of cranial fracture. Ful orr gegegyogy 6 no.3:140-142 S '60.

1. A Csongradmegyei Tanacs Korhaza (Szentes) Ful-orr gege osztalyanak (Foorvos: Muller Harald dr.) kozlemenye.
(SKULL fract. & disloc.)
(MENINGITIS etiol.)
(OTITIS MEDIA etiol.)

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, Harald, dr.

Ossification of the hyoid system. Magy radiol 12 no.1:34-35 Mr '60.

1. A Csongrad megyei Tanacs Korhaza, Szentes. Ful-orr-gegeosztalyanak (foorvos: Muller, Harald, dr.) kozlemenye.
(HYOID BONE dis.)
(OSSIFICATION case reports)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, Harald, dr.

Broncholith. Magy radiol. 12 no.4:216-221 N'60.

1. A Csongrad megyei Tanacs Korhaza Ful-orr-gege osztalya (foorvos: Muller Harald dr.) koslemenye.
(BRONCHI dis)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, Harald, dr.

Hidden foreign bodies in the lower respiratory tract. Orv.hetil. 101 no.39:1381-1383 25 S '60.

1. Csongrad-megyei Tanacs Korhaza, Ful-, Orr-, Gege Osztaly (RESPIRATORY SYSTEM foreign bodies)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, Harald

SURNAME (in caps); Given Names

Country: Hungary

Academic Degrees: Dr

Affiliation: Chief Physician (Foorvos) of the Ear Nose Throat and Bronchologic Ward of the Hospital of the Council of Csongrad Megye (A Csongradmegyei Tanacs Korhaza Ful-orr-gege es Bronchologiai Osztalya)

Source: Budapest, Orvoskepzes, Vol XXXVI, No 6, Dec 61, pp 464-472.
Data: "Corrosive Injuries of the Esophagus."

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, Harald, dr.

Diagnostic pitfalls and errors in foreign bodies of the esophagus.
Orv.hetil. 102 no.11:507-509 12 Mr '61.

1. Csongrad megyei Tanacs Korhaza, Ful-, Orr-, Gegesztaly.
(ESOPHAGUS for bodies)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

SZALAY, Gyorgy, dr.; MULLER, Harald, dr.

Acute pulmonary insufficiency after cesarean section. Orv. hetil. 102 no.22:1033-1034 28 My '61.

1. Szentesi Megyei Korhaz, Tbc. Szuleszeti Osztaly, Ful-orr-gege es Bronchologiai Osztaly.

(CESAREAN SECTION compl) (ATELECTASIS etiol)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, Harald, dr.

Significance of esophagoscopy in the diagnosis of esophageal diseases. Fulorrgegegyogyaszat 8 no.1:1-5 Mr '62.

1. A Csongrad megyei Tanacs Korhaza (Szentes) Ful-, orr-, gege es bronchologiai osztalyanak (foorvos: Muller Harald dr.) kozlemenye.

(ESOPHAGOSCOPY)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, Harald, dr.

Spasm of the cricopharyngeal muscle. Magy. radiol. 14 no.2:101-106 Mr '62.

1. A Szentesi Megyei Korhaz ful-orr-gege is bronchologiai osztalyanak (foorvos: Muller Harald dr.) kozlemenye.

(PHARYNX dis)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, Iren, dr.

Data on ACTH therapy of hepatitis. Orv. hetil. 96 no.2:34-36 9 Jan 55.

1. Debreceni Orvostudomanyi Egyetem II. sz. Belklinikajanak (igazgato: Petranyi Gyula dr.) kozlemenye.

(ACTH, therapeutic use, hepatitis)
(HEPATITIS, therapy, ACTH)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

[redacted]-MULLER, Iren, dr.; TUZA, Klara, dr.

Pretibial myxedema. Orv. hetil. 97 no. 15:410-412
8 Apr 56.

1. A Debreceni II. sz. Belklinika (igazgato: Petranyi, Gyula dr. egyet tanar) es a Debreceni Borklinika (igazgato: Szodoray, Lajos dr. egyet. tanar) kozlemenye.
(MYXEDEMA
pretibial, case report. (Hun))
(LEG, dis.
myxedema, pretibial, case report. (Hun))

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, Iren, dr.

Administration of devincan in the treatment of hypertension. Orv. hetil. 102 no.8:349-600 19 F'61.

1. A Hajdu-Bihar Megyei Tanacs Debreceni II. Rendelointezete, Belgyogyaszati osztaly.
(ANTIHYPERTENSIVE AGENTS ther)
(ALKALOIDS)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, I.

A proposition for the calculation of the orthometric altitude of Hungarian points of references of high-precision leveling. p.295.
(Geodezia es Kartografia, Vol. 8, no. 4, 1956, Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, no. 9, Sept. 1957. Uncl.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, I.

Asuggestion for computing the orthometric height of the precision-leveling main point; also, discussion by P. Majay and others. In German.
p. 191.

ACTA TECHNICA. (MAGYAR TUDOMANYOS AKADEMIA) Budapest, Hungary.
Vol. 23, no. 1/3, 1959.

Monthly list of East European Accessions (EEAI). LC. Vol. 9, no. 1, Jan., 1960.

Uncl.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

KARDOS, Arpad, dr., docens; MULLER, Istvan, okleveles gepeszmernok

Cutting force measuring instrument operating on pneumatic principle. Gep 15 no.7:261-265 Jl '63.

1. Budapesti Muszaki Egyetem Gepgyartastechnologiai Tanszek. Tanszekvezeto: Dr. Lettner Ferenc egyetemi tanar (for Kardos).
2. Koho- es Gepipari Miniszterium (for Muller).

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, J., inz., dr.

Preservation products based on crude oil. Stroj vyr 9 no.12:609-610 '61.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, J. ; MARECEK, J.

Construction of a M 131.1 rail-motor car from the point of view of maintenance. p. 8.

ZELEZNICNI DOPRAVA A TECHNIKA. (Ministerstvo dopravy) Praha, Czechoslovakia. Vol. 7, no. 1, 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 11, November 1959.

Uncl.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, J. ; MARECEK, J.

Construction of the railroad motor car M 262 from the point of view of maintenance. p. 54.

ZELEZNICNI DOPRAVA A TECHNIKA. (Ministerstvo dopravy) Praha, Czechoslovakia. Vol. 7, no. 2, 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 11, November 1959.

Uncl.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

KARDOS, A. (Budapest, XI., Stoczek u.4); MULLER, J. (Budapest, XI., Stoczek u.4)

Pneumatically operated dynamometer for cutting force measurements. Periodica polytechn eng 7 no.4:263-271 '63.

1. Department of Technology of Machine Production, Polytechnical University, Budapest. Presented by Prof. Dr. F. Lettner.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER J. Vliv pracovniho prostredi v cementarnach na zdravi pracujicich The influence of working conditions on cement plants on the health of the employees Pracovni lekarstvi, Prague 1949, 1/2 (81-95)

The hygienic conditions in several cement plants were studied and 686 men and 87 women working there were examined. The frequency of bronchitis and emphysema is influenced mainly by age; in the cases examined, senile bronchitis and emphysema were the most prevalent in the older age group, and no causal relationship could be proved in these cases with the dusty occupation. The influence of the dusty occupation is however clearly disclosed in the younger age groups. It seems more probable from the author's findings that with an increasing length of exposure the frequency of bronchitis and emphysema increases. Dust concentrations in all working places are sufficient to influence significantly the incidence of chronic rhino-pharyngitis. Cement dust also influences the frequency of conjunctivitis. The influence of cement dust on the incidence of skin affections was confirmed. All these conclusions are statistically studied.

Rejsek - Prague

SO: Medical Microbiology & Hygiene, Section IV, Vol 3 No 7-12

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER J. Prispevek k otazce mechanismu otravy olovem Factors influencing the mechanism of lead poisoning Pracovni lekarstvi, Prague 1950, 2/2 (49-61)

The author studied the ability of red blood cells to adsorb lead. In non-exposed subjects, the finding of Behrens and Pachur of a logarithmic relationship between lead added and lead adsorbed by a red cell was verified. Further it was shown that there are differences in the ability of red cells of different individuals to adsorb lead. It was assumed that the appearance of non-haematological symptoms of lead poisoning depended on the lead flow into the interstitial fluid and that only lead not bound to RBC is available to reach the interstitial fluid. Cases of lead poisoning without haematological symptoms will occur more frequently in patients whose RBC have little tendency to adsorb lead than in those whose RBC have this tendency to a greater degree. The ability of RBC to adsorb lead, therefore, can be used as a measure of individual resistance to lead poisoning. In persons with adequate previous exposure a different shape of adsorption curve was found. The shape of the curve gives an indication of immediate danger.

Rejsek - Prague

SO: Medical Microbiology & Hygiene, Section IV, Vol 3 No 7-12

Inst. of Industrial Medicine, Prague (Head - Prof. Teisinger)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, J.

Conference on ambulatory centers and treatment of occupational diseases in Lodz, Poland on 27-29 November 1950. Pracovni lek. 3 no.1:52-55 Mar 51. (CLML20:7)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, J.

Quantitative determination of Congo red with Pulfrich photometry.
Lek.listy 5 no.23:708 1 Dec 50. (CLML 20:5)

1. Of the Internal Clinic in Hradec Kralove (Head--Prof.Pavel Lukl M.D.).

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, J.

Determination of total lipemia by Pulfrich's photometry. Lek.listy 5 no.24:741 15 Dec 50. (CLML 20:5)

1. Of the Internal Clinic in Hradec Kralove (Head--Prof.Pavel Lukl, M.D.).

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, J.

Determination of esterification of cholesterol on Pulfrich's photometer. Lek.listy 5 no.22:678-679 15 Nov 50. (CLML 20:5)

1. Of the Internal Clinic in Hradec Kralove (Head--Prof.Pavel Lukl,M.D.).

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, J.

Quantitative determination of bromsulfalein test on Pulfrich's photometer. Lek.listy 5 no.21:640-641 1 Nov 50. (CLML 20:5)

1. Of the Internal Clinic in Hradec Kralove (Head--Prof.Pavel Lukl,M.D.).

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, J.

Evaluation of laboratory investigations of lead poisoning. J. Müller (Charles Univ., Prague). *Pracovní Lékařství* 4, 61-6(1952).—Detns. of hemoglobin, porphyrin, and blood Pb were not successful; therefore the best method of detg. the exposure of employees in a Pb battery plant was the stippled cell count. This method can be used to est. health injuries and for routine exams. Women are more susceptible to Pb poisoning. L. J. Urbánek

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

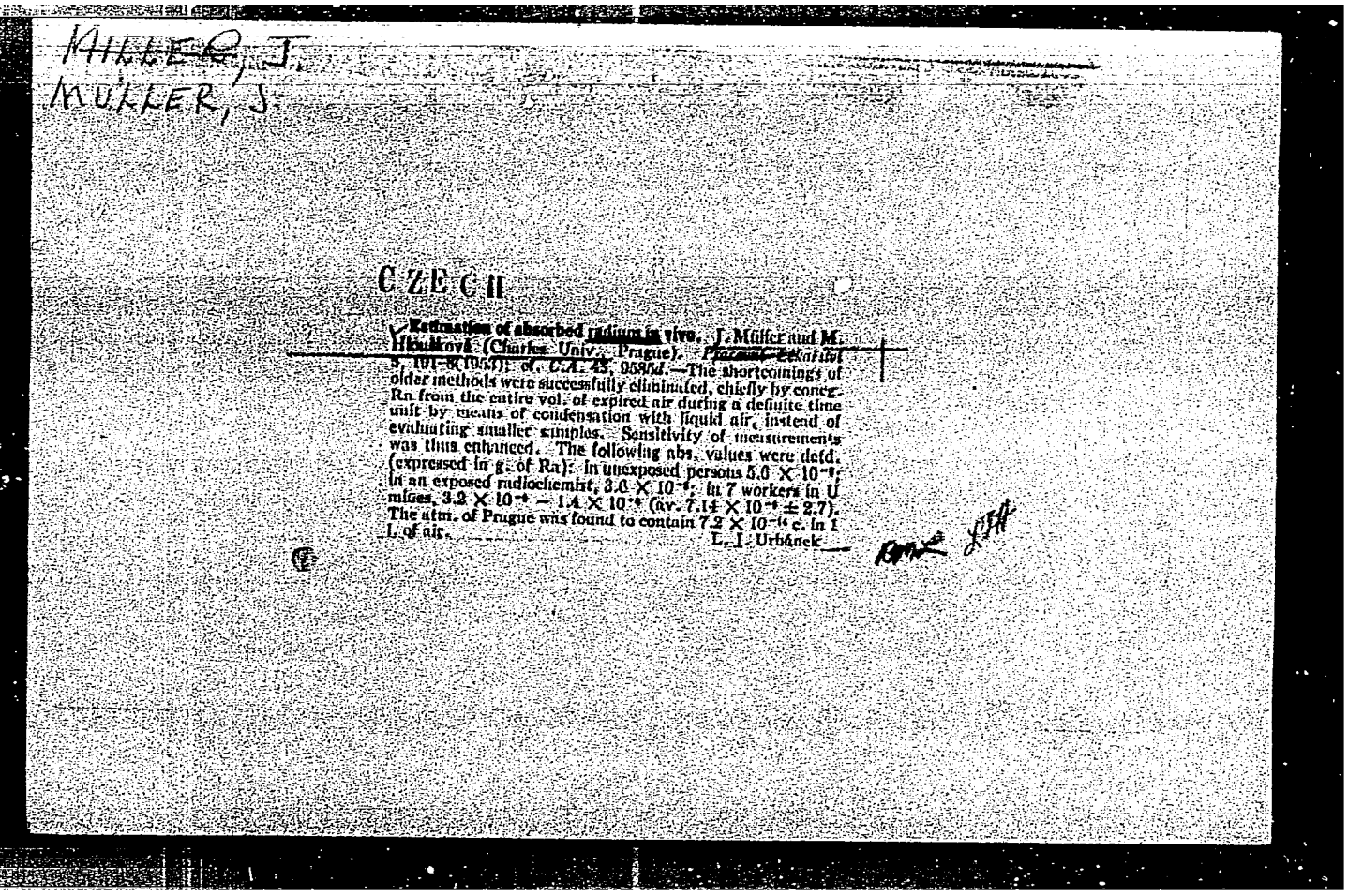
MULLER, J.

Economic losses due to lead poisoning in battery plants. Pracovni lek. 4 no. 1:18-25 Mar 1952. (CLML 23:3)

1. On the Institute of Physiology, Pathology and Work Hygiene (Director--Prof. J. Teisinger, M. D.), Prague.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3



MILLER, J.
MULLER, J.

CZECH

Estimation of absorbed radium in vivo. J. Müller and M. Houšková (Charles Univ., Prague). *Pracovní Lékařství* 5, 101–8 (1953); cf. *C.A.* 48, 9598*d*.—The shortcomings of older methods were successfully eliminated, chiefly by concg. Rn from the entire vol. of expired air during a definite time unit by means of condensation with liquid air, instead of evaluating smaller samples. Sensitivity of measurements was thus enhanced. The following abs. values were detd. (expressed in g. of Ra): in unexposed persons 5.6×10^{-9}; in an exposed radiochemist, 3.6×10^{-8}; in 7 workers in U mines, $3.2 \times 10^{-8} - 1.4 \times 10^{-8}$ (av. $7.14 \times 10^{-9} \pm 2.7$). The atm. of Prague was found to contain 7.2×10^{-16} g. in 1 l. of air.
L. J. Urbánek

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, J.

Prevention of roentgen rays and radium burns in medical personnel. Prakt. lek., Praha 33 no.8:177-180 20 Apr 1953. (CLML 24:4)

1. M. D. 2. Of the Institute of Work Hygiene and Occupational Diseases, Prague.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, Jan

Ionising radiation from viewpoint of industrial hygiene. Pracovni lek. 6 no.5:305-309 15 Oct 54.

1. Ustav higieny prace a chorob z povolani, reditel prof. MUDr. J.Teisinger
(RADIATION, injurious effects
ionization in indust., prev. & control)

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, J.

Effect of ionizing radiation on the appearance of humoral factors inhibing cell division in higher organisms. Cesk. fysiol. 5 no.3: 331-342 1956.

1. Ustav hygieny prace a chorob z povolani, Praha.
(ROENTGEN RAYS, effects,
total body irradiation in vivo on cell division in tissue cultures of isolated organs (Cz))
(CELL DIVISION, effect of radiations,
x-rays, total body irradiation on cell division in tissue culture of isolated organs(Cz))
(TISSUE CULTURE,
cell division in organs isolated from animals irradiated with x-rays (Cz))

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, J.

The influence of ionising radiation on the development of humoral factors which retard cell division in higher organisms. Physiol. bohem. 5 no.3:337-349 1956.

1. Institute of Industrial Hygiene and Occupational Diseases, Prague.

(RADIATIONS, effects,
ionising radiations, humoral factor in irradiated rabbits influencing cell division in vitro)

(CELL DIVISION,
humoral factor in rabbits irradiated by ionizing radiation influencing cell division in vitro)

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLEK, J.

1922. Evaluation of growth curve of *Escherichia coli*. K. Marha and J. Müller. *Čs. mikrobiol.*, 1956, 1, 135—138 (Ústav hygieny práce a chorob z povolání, Prague, Czechoslovakia).—Measurement of the growth of *E. coli* with an automatic colorimeter showed that the assumption that the logarithmic phase of the growth curve in semi-logarithmic coordinates is linear, is not valid. The influence of the so-called braking factor on the shape of the growth curve was estimated. On the basis of kinetic considerations, the appropriate equation for this type of asymmetrical curve was derived. On the basis of the numerical values of the constants of this equation, it was found that adaptation to the braking factor occurs in the course of growth. On the basis of this finding, the differential equation of growth was derived. A. ACKROYD

Med

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, J.

"Effect of the radiation of ions on the origin of humoral factors in higher organisms which retards the division of cells."

p. 331 (Ceskoslovenska Fysiologie) Vol. 5, no. 3, 1956.
Prague, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

Muller, J.

667. Influence of ionising radiation on appearance in serum of rabbits of humoral factors slowing down cell division. J. Müller *Nature, Lond.*, 1956, 178, 43—44 (Inst. of Industr. Hygiene and Occupational Dis., Prague, Czechoslovakia).—The effect of the humoral factor, which slows down cell division, on the serum of rabbits increases after irradiation. The possibility that physico-chemical changes caused directly by the effect of ionising radiation on the serum proteins, were responsible for the decreased cell division was eliminated. I. B. PARR

Med 1

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, Jan, MUDr.

Hygienic problems of peaceful uses of nuclear energy. Pracovni lek. 9 no.2:89-93 Apr 57.

(INDUSTRIAL HYGIENE,
in non-military atomic indust. (Cz))
(ATOMIC ENERGY
indust. hyg. in non-military atomic indust. (Cz))

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, Jan; MICHAL, Vojtech

On the prevention of injuries during roentgenological examination.
Cas. rentg. 13 no.5:289-300 O '59

1. Ustav hygieny prace a chorob z povolani, Praha.
(RADIATION PROTECTION)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER,J.; BREZIK,Z.; BREZIKOVA,D.

On the inability of rabbit properdin to inactivate the third component of guinea pig complement. Cesk. fysiol. 9 no.4:381-382 Jl '60.

1. Ustav hygieny prace a chorob z povolani, Praha.
(COMPLEMENT)
(PROPERDIN)

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, Jan

Some hygienic aspects of the use of x-ray diagnosis in pediatrics. Cesk.pediat. 15 no.9:785-791 S '60.

1. Ustav hygieny prace a chorob z povolani, Praha, reditel prof. Teisinger.
(PEDIATRICS radiography)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

DAVID, A.; MULLER, J.; REJSKOVA, M.

Occupational chronic radiation injuries during the work with radium and strontium-90. Acta univ. carol. [med.] Suppl. 14:207-218 '61.

1. Klinika nemocí z povolani fakulty vseobecneho lekarstvi University Karlovy v Praze, prednosta prof. dr. J. Teisinger. Ustav hygieny prace a chorob z povolani v Praze, reditel prof. dr. J. Teisinger Krajska hygienicko-epidemiologicka stanice KNV v Praze, prednosta dr. M. Rejskova.

(RADIATION INJURY) (OCCUPATIONAL DISEASES)
(RADIUM toxicol) (STRONTIUM radioactive)

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CZECHOSLOVAKIA

J. MÜLLER [Same affiliation as above]

"Activity of the Section on Radiation Hygiene."

Prague, Pracovni Lekarstvi, Vol 15, No 1, Jan 1963: pp 5-11.

Abstract: A historical account of the activities. In 1956, the section had 10 PhDs and 19 technical assistants; it slowly became involved in many projects in the medical research on radiation from various aspects. It helped develop methods for analyses of low levels of Ra^{226} and the radioactive isotopes of Ir, Sr, Y, Th (and decay products), Cu, Au, Pb and others; study of xray radiation in diagnostics and therapy; elimination of radioisotopes from the body. Several patents were taken and many papers published or are in press.

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, Jan

Internal contamination with Sr^{90} and Ra^{226} of exposed persons according to clinical findings. Jaderna energie 10 no. 3:96 Mr '64.

1. Institute of Hygiene and Occupational Diseases, Prague.

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

P/031/62/007/001/016/021
D265/D308

9,6000

AUTHOR: Müller, Janusz

TITLE: A method of comparison of telemetering systems

PERIODICAL: Archiwum automatyki i telemechaniki, v. 7, no. 1-2, 1962, 317 - 336

TEXT: After introducing the definitions of some notions of telemetering terms the analysis of modulation and transmission of signals is presented using the expansion into Fourier's series. The disturbances are assumed to be stochastic and stationary. Introducing the geometric representations the author interprets the recovered signals as polyvectors and the disturbances as random polyvectors. The fidelity of response is analyzed and conditions established analytically for the comparison of the distortion standards as the criterion of fidelity. The method of construction of matrix of distortion and the probability calculations of the occurrence of the information distortion are given. There are 2 figures.

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Card 1/2

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

A method of comparison of ...

P/031/62/007/001/016/021
D265/D308

ASSOCIATION: Politechnika Warszawska, katedra automatyki i telemechaniki (Polytechnic Institute of Warsaw, Department of Automation and Remote Control Engineering)

Card 2/2

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MULLER, JAROSLAV

CZECH

Copolymerization of acrylonitrile and butyl acrylate. Determination of copolymerization parameters and the constants Q and e for butyl acrylate. Jaroslav Muller (Výzk. ústav. plastick. hmot, Brno, Czech.). *Chem. Listy* 48, 1593–7 (1954).—From the radical-initiated bulk copolymerization of CH_2:CHCN and CH_2:$CHCO_2Bu$ (I) the copolymerization parameters were detd.: $r_1 = 1.003 \pm 0.012$ and $r_2 = 1.305 \pm 0.005$. The pair studied forms a true azeotropic copolymer. The Q and e values [Alfrey and Price, *C.A.* 41, 495e.] of I were calcd. from these measurements and from published data: $Q = 0.4$; $e = 1.0$. E. B.

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, J.

Copolymerization of acrylonitrile and butyl acrylate.; determination of copolymerization parameters and the constants Q and e for butyl acrylate. In German. Tr. from the Czech. p. 241.

Vol. 20, no. 1, Feb. 1955
SBORNIK CHEKHOSLOVATSKIKH KHIMICHESKIKH RABOT
Praha, Czechoslovakia

So: Eastern European Accession Vol. 5, No. 4, April 1956

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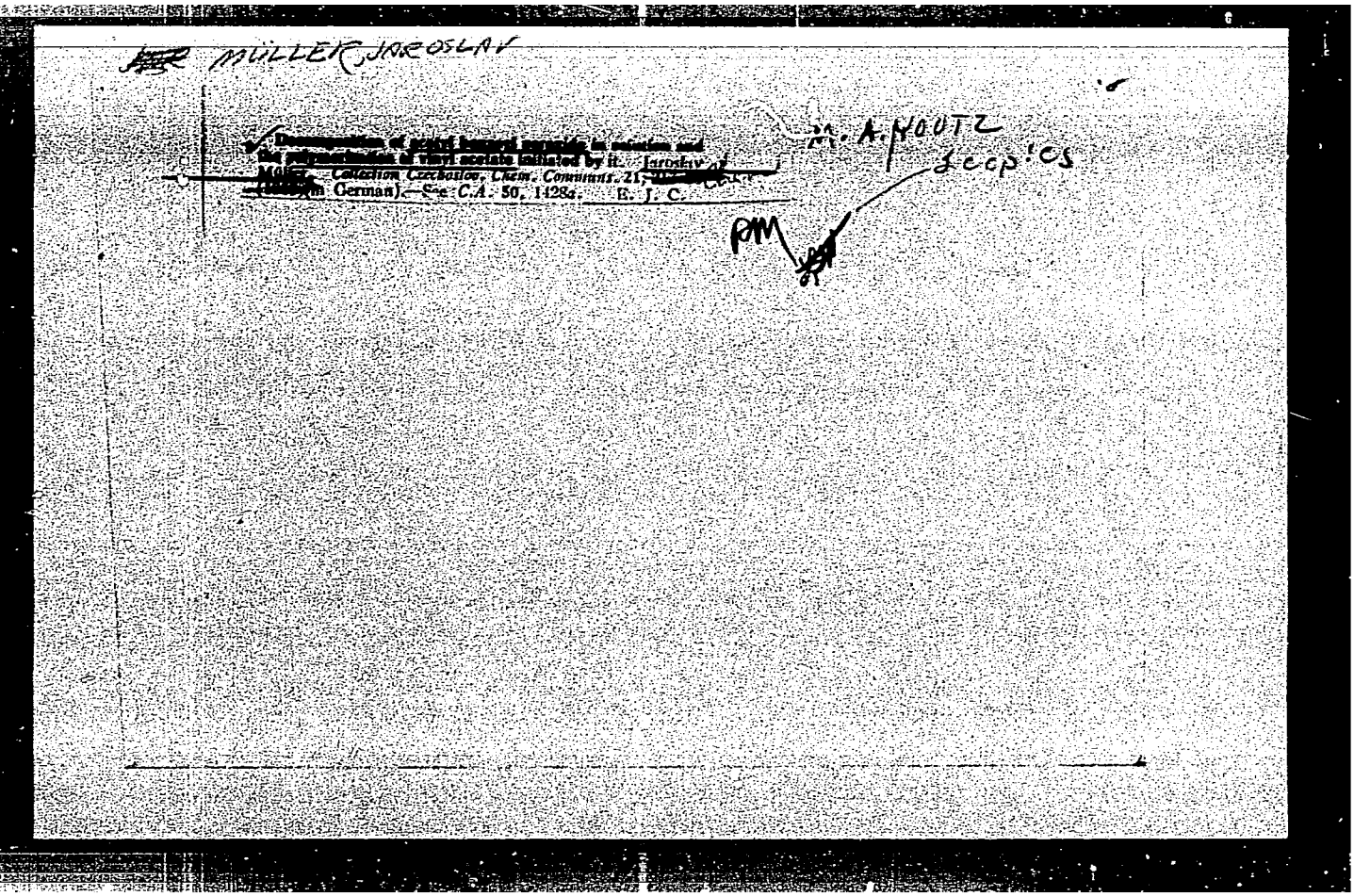

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

MULLER, Jaroslav

Report on the 3d International Congress on Catalysis.
Chem prum 15 no.1:45-46 Ja '65.

1. Institute of Inorganic Chemistry of the Czechoslovak Academy of Sciences, Prague.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135610001-3

S/081/62/000/023/104/120
B101/B186

AUTHORS: Dvořák, Jan, Müller, Jaroslav, Zlámal, Zdeněk

TITLE: Method of producing high-molecular weight polyacetaldehyde

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 23, 1962, 719, abstract 23P355 (Czechosl. pat. 100322, July 15, 1961)

TEXT: Rubberlike high-molecular weight polyacetaldehyde of linear structure, soluble in organic solvents, is obtained by polymerization (PM) of the acetaldehyde (I) at -100 to -30°C in the presence of H_2SO_4, HCl, H_3PO_4, CCl_3COOH, $H_2C_2O_4$, $NaHSO_4$, $KHSO_4$, $(NH_4)_2S_2O_8$. The initial I must be carefully purified. Basic substances inhibit the reaction. Example: 10^{-6} - 10^{-5}% H_2SO_4 is added to I cooled to -78°C. PM proceeds almost instantly. With addition of 0.001% H_3PO_4, 0.01 - 0.1% CCl_3COOH, or 0.01% $KHSO_4$, PM takes some hours. [Abstracter's note: Complete translation.]

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